Medium Term Planning Year Group: 5 Teacher: Mrs Hobbin-Mills

Autumn 2 2020	**Week 1 (31/10/22)**	**Week 2 (7/11/22)**	**Week 3 (14/11/22)**	**Week 4 (21/11/22)**	**Week 5 (28/11/22)**	**Week 6 (5/12/22)**	**Week 7 (12/12/22)**
English	**Chitty Chitty Bang Bang and the Race Against Time – Write a chapter** L7 Can I create new dialogue that some characters might say? L8 Can I explore and create patterns of language? L9 Can I uses dashes and brackets? Can I complete a parties write based on the Saxons?	L11 Can I develop a shared write? L12 Can I edit and complete a shared write? L13 Can I plan my big write? **Big write (2 lessons)**	**Women in Science** L1 Elicitation task L2 L3 Can I learn and understand the text? Can I learn about one Women in Science? Can I write a speech as one of the Women in Science? Can I understand how biographies are structured?	Can I use multi-clause sentences which include adverbial phrases to convey information concisely? Can I use a range of punctuation to create multi- clause sentences? Can I use the passive voice and technical vocabulary to create a more formal, scientific voice? Can I Use a range of punctuation accurately to convey a lot of information succinctly?	Can I explore the use of verbs for a formal tone? Can I complete a shared write? Can I plan my big write? **Big write (2 lessons)**	**Comprehension activities** **Reading assessment** **SPAG assessment** **AR assessment**	**Comprehension activities** **Christmas activities**
Cross-curricular English				**Links to LCC**	**Links to LCC**	**Links to LCC**	
Whole Class Reading Enrichment	Guided Reading – Badger books (differentiated based on reading attainment) Class book – Chitty Chitty Bang Bang and the Race Against Time	Guided Reading – Badger books Class book – Chitty Chitty Bang Bang and the Race Against Time	Guided Reading – Badger books Class book - Women in Science	Guided Reading – Badger books Class book - Women in Science	Guided Reading – Badger books Class book - Women in Science	Guided Reading – Badger books Class book - Women in Science	Guided Reading – Badger books
Maths	Can I compare calculations? Can I find missing numbers? **End of unit** **Multiplication and division (3 weeks)** **Elicitation task** Can I find sets of multiples of given numbers? Can I find common multiples?	Can I explore factors? Can I find common factors? Can I identify prime factors of numbers? Can I find square numbers? Can I find cube numbers?	Can I multiply by 10, 100 and 1,000? Can I divide by 10, 100 and 1,000? Can I find multiples of 10, 100 and 1,000? **End of topic Elicitation** **Fractions A (4 weeks)** Can I find fractions equivalent to a unit fraction?	Can I find fractions equivalent to a non-unit fraction? Can I recognise equivalent fractions? Can I convert improper fractions to mixed numbers? Can I convert mixed numbers to improper fractions? Can I compare fractions less than 1?	Can I order fractions less than 1? Can I compare and order fractions greater than 1? Can I add and subtract fractions with the same denominator? Can I add fractions within 1? Can I add fractions with a total greater than 1?	Can I add to a mixed number? Can I add two mixed numbers? Can I add two mixed numbers? Can I subtract fractions? Can I subtract from a mixed number?	Can I subtract from a mixed number breaking the whole? Can I subtract two mixed numbers? **End of topic.** **End of term assessment**

Cross-curricular Maths		**RE using 2011 Census table**	**Record results from science experiment.**		**Record results from science experiment.**		
Science	**Can you feel the force?** Start of Unit assessment Wow lesson – using K'Nex levers and pulleys kits.	Friction What is friction – show and test with car ramp experiment. Water resistance What is water resistance – show and test with bottle and baking powder. Identify the effects of air resistance, water resistance and friction, that act between moving surfaces	Gravity What is it? How do we know about it – Isaac Newton. Plan and design the best parachute – test theory and record results. Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object	Levers and pulleys Chn to look at how pulleys are used to facilitate the movement of heavy objects. Then, to discuss and design a pulley system to move progressively heavier objects from the floor to the tabletop. Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.	Big write up for experiment using learned knowledge from the unit. Chn to work in pairs to design and make the best method of propelling a marble the furthest distance.	Presentation of the different types of forces (PowerPoint) End of unit assessment.	
Science	• Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary. • Taking measurements, using a range of scientific equipment, with increasing accuracy and precision. Taking repeat readings when appropriate. • Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs. • Using test results to make predictions to set up further comparative and fair tests. • Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.						
History							
Geography							
Art							
DT	**Moving mechanisms**			**Moving mechanisms**	**Moving mechanisms**	**Moving mechanisms**	
RE	**U2.8 What does it mean to be a Muslim in Britain today?** Elicitation task and Can I recap what I know about Islam including ibadah, Tawhid, iman?	Can I use census information to understand Muslims in Britain today?	Can I Investigate how the 5 pillars are practised by Muslims in different parts of Britain today?	Can I research about the festival of Eid-ul-Adha?	Can I understand the importance of the Qur'an and other forms of guidance for Muslims?	Can I investigate the design and purpose of a mosque/masjid and explain how and why the architecture, artwork and activities reflect Muslim beliefs?	End of topic assessment
PSHE	**CELEBRATING DIFFERENCE** – Different cultures	Racism	Rumours and name-calling	Types of bullying	Does money matter?	Celebrating difference across the world	
PE	**Health & Fitness** L1 Heart rate	**Health & Fitness** L2 Heart rate & activities	**Health & Fitness** L3 Coordination	**Health & Fitness** L4 Circuit training	**Health & Fitness** L5 Agility	**Health & Fitness** L6 Circuit training	

Music	**Classroom Jazz 1** Appraise, learn and perform The Three Note Bossa	Appraise Desafinado, learn and perform The Three Note Bossa	Appraise Cotton Tail, learn and perform The Three Note Bossa	Appraise 5 Note swing, learn and perform 5 Note swing	Appraise Perdido, learn and perform 5 Note swing	Appraise Things ain't what they used to be, learn and perform 5 Note swing	
Computing	**Unit 5.1 Coding W4** Friction and functions	**Unit 5.1 Coding W5** Introducing Strings	**Unit 5.1 Coding W6** Text variables and concatenation	**5.3 Spreadsheets (5 weeks)** **W1** Conversions of measurements	**5.3 Spreadsheets W2** The count tool	**5.3 Spreadsheets W3** Formulae including the advanced mode	**5.3 Spreadsheets W4** Using text variables to perform calculations
MFL	The four seasons	Winter	Spring	Summer	Autumn + My favourite season is…	End of Unit Assessment	Christmas activities